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1. (amended) A fruit juice extraction apparatus for extracting juice from articles of fruit by pressing the fruit through a filter to pass the liquid juice to a reservoir having outlet means therein and depositing the solid residue in a receptacle, wherein said apparatus comprising:

a chassis having mounted thereon juice extraction means, said juice extraction means having means for scoring said fruit, said scoring means having an aperture therein for allowing articles of said fruit to be deposited between two concave hemispheres;

drive means for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, whereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby said solid residue is deposited in said first receptacle and said liquid juice is passed through said first filter and then falls into said first reservoir which has said outlet ports therein; said perforating tube having multiple transverse slits of increasing diameter from inside to outside.

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3. (continued) a fruit juice extraction apparatus for extracting juice from articles of fruit by passing the fruit through a filter to pass the liquid juice to a reservoir having water, sugar, and demineralized solid residue in a homogeneous thereto, said apparatus comprising:

a chassis having mounted therein juice extraction means; said juice extraction means having a container for storing said fruit, said container having an aperture therein for allowing articles of said fruit to be deposited between two concave hemispheres;

a means for extracting means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby said (the) solid residue is deposited in said (a) reservoir and said (the) liquid juice is passed through said (a) filter and then falls into said (a) reservoir which has grid outlet ports therein; said perforating tube having multiple transverse slots of increasing diameter from inside to outside.

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3. intended: A fruit juice extraction apparatus for extracting juice from articles of fruit by pressing the fruit through a filter to pass the liquid juice to a reservoir having outlet ports therein and depositing the solid residue in a receptacle therefor, said apparatus comprising:

a chassis having mounted thereon juice extraction means; said juice extraction means having a container for storing said fruit, said container having an aperture therein and means for releasing an article of said fruit for allowing said article of said fruit to be deposited between two concave hemispheres;

a mixer for applying urging means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby said solid residue is deposited in said receptacle and said liquid juice is passed through said filter and then falls into said reservoir which has said outlet ports therein; said perforating tube having multiple transverse slits of increasing diameter from inside to outside, and, said filter having a curved body portion with a passageway of increasing width and terminating in a convergent liquid exit port; and,

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means for signaling the level of said solid residue accumulated in said reservoir.

4. (Cancelled) A fruit juice extraction apparatus for extracting juice from sections of fruit by processing the fruit through a filter to pass the liquid juice to a reservoir having outlet ports therein and depositing the solid residue into a receptacle, thereafter, said apparatus comprising:

a chassis having mounted thereon juice extraction means; said juice extraction means having means for storing said fruit; said storing means having an aperture therein for allowing sections of said fruit to be deposited between two concave hemispheres;

drive means for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby passing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating cube for the extraction of juice from sections of fruit, whereby said level solid residue is deposited in said (i) receptacle and said (ii) liquid juice is passed through said (i) filter and then falls into said (ii) reservoir which has said outlet ports therein, each of said concave hemispheres having its concave surface defined by a plurality of spaced-apart radial blades, wherein said radial blades of each of said hemispheres are of at least two different lengths.

5. The apparatus of CLAIM 4, wherein said radial blades of each of said hemispheres depend from a base connected to said chassis.

Claim 6 is canceled

7. The apparatus of CLAIM 4, wherein when said first hemisphere is forced against said second hemisphere, said radial blades of said first hemisphere are positioned intermediate said radial blades of said second hemisphere.

Claim 8 is canceled